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**(54) HYDROPHILIC HEAT-RESISTANT FILM AND ITS MANUFACTURE**

(57) Abstract:

**PURPOSE:** To provide a highly hydrophilic polyvinylidene fluoride with minimized adsorption of a physiological active substance such as protein and its manufacturing technique.

**CONSTITUTION:** The subject hydrophilic heat-resistant film consists of a blend polymer consisting of a highly heat and chemical-resistant polyvinylidene fluoride polymer and a hydrophilic polyvinyl alcohol polymer. Its manufacturing technique is first to form a film using a solution containing blended and molten polyvinylidene-fluoride polymer and polyvinyl acetate and saponify polyvinyl acetate partially at a saponification degree of 10% or higher to 100% or lower, or saponify polyvinylidene fluoride to polyvinyl alcohol at a saponification degree of

100%. Thus it is possible to minimize the surface attachment of a physiological active substance such as protein.

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